

0007



State of Utah

JON M. HUNTSMAN, JR.  
GovernorGARY HERBERT  
Lieutenant GovernorDepartment of  
Environmental QualityRichard W. Sprott  
Executive DirectorDIVISION OF WATER QUALITY  
Walter L. Baker, P.E.  
DirectorC/007/018  
C/007/0034  
C/007/0039

Incoming

cc: Dave D,  
Steve C.

August 14, 2008

Ms. Vicky Miller  
Canyon Fuel Company, LLC - Dugout Mine  
P.O. Box 1029  
Wellington, Utah 84542

Subject: Inspection Reports – UPDES Permit Nos. UT0025593 (Dugout Mine), UT0023680 (Soldier Creek Mine), and UTG040012 (Banning Loadout).

Dear Ms. Miller:

On August 12, 2008 I met with you and conducted compliance evaluation, reconnaissance, and storm water inspections in regards to the UPDES Permit facilities referenced above. Specifically we discussed the current conditions at each facility and the recent upset condition at the Dugout Mine Outfall 005. An accompanying tour of each facility, including the outfalls, sediment basins, effluent discharges and receiving waters was also conducted. No deficiencies were noted during the inspections and no written response is required at this time, however please pay particular attention to the "Recommendations" section of the narrative report for the Dugout facility as these items will be reviewed during the next DWQ inspection. A separate response to your August 6, 2008 letter is forth coming.

Enclosed are copies of the inspection reports for your records. I appreciate your efforts to facilitate the inspections and keep me informed of the operations. If you have any questions, please contact me at (801) 538-6779 or by e-mail at [jstudenka@utah.gov](mailto:jstudenka@utah.gov).

Sincerely,

Jeff Studenka, Environmental Scientist  
UPDES IES Section

Enclosures

cc (w/encl): Jennifer Meints, EPA Region VIII  
Claron Bjork, SE District Health Department  
Dave Ariotti, SE District Engineer  
Daron Haddock, Division of Oil Gas & Mines

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DIV. OF OIL, GAS &amp; MINING



United States Environmental Protection Agency  
Washington, D.C. 20460

## Water Compliance Inspection Report

### Section A: National Data System Coding (i.e., ICIS)

Transaction Code N	NPDES U T 0 0 2 5 5 9 3	yr/mo/day 0 8 0 8 1 2	Inspection Type R	Inspector S	Fac. Type 2
1	2	3	11	12	17
Remarks					
21					
Inspection Work Days 2	Facility Self-Monitoring Evaluation Rating 5	BI N	QA N	Reserved	
67	69	70	71	72	73 74 75 80

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Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) CANYON FUEL CO. DUGOUT CANYON MINE Up Nine Mile Canyon Road NE of Wellington, UT	Entry Time/ Date 9:30 am / 8-12-2008	Permit Effective Date 12-1-2004
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Vicky Miller, Environmental Engineer, 435-636-2869	Exit Time/ Date 12:00 pm/ 8-12-2008	Permit Expiration Date 11-30-2009
Name, Address of Responsible Official/Title/Phone and Fax Number Dave Spillman, Manager of Technical Services Canyon Fuel Company, LLC P.O. Box 1029 Wellington, UT 84542 (435) 636-2872	Other Facility Data (e.g., SIC NAICS, and other descriptive information) Bituminous Coal Underground Mining Facility SIC Code 1222 NAICS 212112	SEE ATTACHED
Contacted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

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<input checked="" type="checkbox"/> Permit	<input checked="" type="checkbox"/> Self Monitoring Program	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> MS4
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(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes	SEV Description
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	

Name(s) and Signature(s) of Inspector(s) Jeff Studenka, Environmental Scientist 	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6779	Date: 8-14-08
Name and Signature of Management Q A Reviewer Mike Herkimer, Manager UPDES IES Section 	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6058	Date: 8/14/08

## INSTRUCTIONS

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# Water Compliance Inspection Report

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N			U	T	0	0	2	5	5	9	3	0	8	0	8	1	2	~	S	2
1	2															18	19	20		
<b>Remarks</b>																				
21 66																				
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			2	5							N		N							
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Name(s) and Signature(s) of Inspector(s) Jeff Studenka, Environmental Scientist 	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6779	Date: 8-14-08
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## INSPECTION PROTOCOL

UPDES Permit #: UT0025593  
Inspection Type: Reconnaissance Inspection + Storm Water Inspection  
Inspection Date: August 12, 2008

Jeff Studenka of the Division of Water Quality (DWQ) met with Vicky Miller at the Canyon Fuel Company Dugout Mine Facility. The purpose for the site visit was to perform a reconnaissance inspection and discuss the recent upset condition in which coal fines were briefly and unintentionally released via Outfall 005 into Pace Canyon Creek. The upset condition occurred on July 9, 2008 and the supporting documentation has been recently received by DWQ and will be addressed by separate correspondence.

## FACILITY DESCRIPTION

Location: Up Nine Mile Canyon Road, off Hwy. US 6 near Wellington, Utah.

Coordinates: Outfall 001 – 39° 41' 01" latitude, -110° 32' 44" longitude  
Outfall 002 – 39° 40' 56" latitude, -110° 32' 52" longitude  
Outfall 003 – 39° 41' 18" latitude, -110° 32' 29" longitude  
Outfall 004 – 39° 36' 40" latitude, -110° 36' 43" longitude  
Outfall 005 – 39° 40' 17" latitude, -110° 30' 29" longitude  
Outfall 006 – 39° 40' 14" latitude, -110° 30' 32" longitude

Average Flow: ~1.1 MGD total

Receiving waters: Dugout Creek & Pace Canyon Creek → Alfalfa fields [Grassy Trail Creek → Price River during run off events]

Process: Active underground coal mining operation. Surface water runoff is conveyed to an above ground settling pond with a discharge point (Outfall 002) to Dugout Creek. The pond had recently been cleaned and was nearly dry as conditions have been dry again this year. Continuous mine water discharge is pumped via outfalls 001 & 005, which at the time of the inspection were both discharging (001 to Dugout Creek and 005 to Pace Canyon). The facility water storage tank is regularly discharged via outfall 003, but was not discharging at the time of the inspection. Outfall 004 is from the dry waste rock pile area that has not discharged to date and outfall 006 is from a sediment trap culvert in Pace Canyon that was also dry.

## INSPECTION SUMMARY

There were no deficiencies noted during the last inspection for follow up and the previous iron issue appears not to be a current problem. This inspection was limited to the above ground mine facility operations where the water collection and distribution systems are exposed in both Dugout and Pace Canyons. A discussion regarding the upset condition, causes, and overall corrective action process accompanied a full facility tour, where the sediment ponds, outfall locations and receiving waters were all observed. At the time of the inspection, the receiving

stream of Pace Canyon was running clear and steady above outfall 005, while the discharge was visibly less clear and slightly turbid and flowing strong with no apparent odor. Minor amounts of coal fines were observed along the edges of the stream channel and into the alfalfa fields where were all of the discharge water is being diverted, and thus does not reach downstream waters for most months of each year. No ill effects to wildlife, stream vegetation or crops were observed. Dugout Creek had steady upstream flow as well and the discharge from outfall 001 appeared mostly clear. The Storm Water Pollution Prevention Plan was also discussed and was last updated in April 2005.

### **DEFICIENCIES**

No deficiencies with respect to the UPDES permit were noted during the inspection.

### **REQUIREMENTS**

None.

### **OBSERVATIONS**

1. As mentioned above, the discharge water from outfall 005 was visibly more turbid than the receiving waters of Pace Canyon Creek.
2. Minor coal fine deposits along the streambed immediately down stream of the outfall 005 were observed as well.

### **RECOMMENDATIONS**

1. Consider installing turbidity meter(s) to better monitor the effluent, especially via outfall 005 which is more remote and less visible than outfalls 001 & 003.
2. Consider physically removing the minor coal fines that have collected in areas along the stream channel.



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Washington, D.C. 20460

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# Water Compliance Inspection Report

## Section A: National Data System Coding (i.e., ICIS)

[illegible]

## Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number)		Entry Time/ Date 9:20 am / 8-12-2008	Permit Effective Date 4-1-2006
CANYON FUEL CO. SOLDIER CREEK MINE Up Nine Mile Canyon Road NE of Wellington, UT		Exit Time/ Date 12:00 pm/ 8-12-2008	Permit Expiration Date 3-31-2011
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Vicky Miller, Environmental Engineer, 435-636-2869		Other Facility Data (e.g., SIC NAICS, and other descriptive information) Bituminous Coal Underground Mining Facility SIC Code 1222 NAICS 212112 Non-discharging, inactive mine facility since July 1999.	
Name, Address of Responsible Official/Title/Phone and Fax Number Dave Spillman, Manager of Technical Services Canyon Fuel Company, LLC P.O. Box 1029 Wellington, UT 84542 (435) 636-2872		Contacted <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

## Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

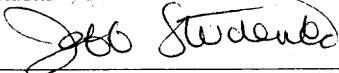
<input checked="" type="checkbox"/> Permit	<input checked="" type="checkbox"/> Self Monitoring Program	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> MS4
<input checked="" type="checkbox"/> Records/Reports	<input type="checkbox"/> Compliance Schedule	<input type="checkbox"/> Pollution Prevention	
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<input type="checkbox"/> Flow Measurement	<input type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Sanitary Sewer Overflow	

### Section D: Summary of Findings/Comments


*(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)*

SEV Codes	SEV Description
<input type="text"/>	
<input type="text"/>	
<input type="text"/>	
<input type="text"/>	

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Number(s)	Date:
Jeff Studenka, Environmental Scientist 	DWQ (801) 538-6779	8-14-08

Name and Signature of Management Q A Reviewer	Agency/Office/Phone and Fax Number(s)	Date:
Mike Herkimer, Manager UPDES IES Section 	DWQ (801) 538-6058	8/14/08

## INSTRUCTIONS

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**Columns 12-17: Inspection Date.** Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

**Column 18: Inspection Type\*.** Use one of the codes listed below to describe the type of inspection:

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B	Compliance Biomonitoring	Z	Sludge - Biosolids	7	IU Toxics with Pretreatment
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D	Diagnostic	\$	Combined Sewer Overflow-Non-Sampling	{	Storm Water-Construction-Sampling
F	Pretreatment (Follow-up)	+	Sanitary Sewer Overflow-Sampling	}	Storm Water-Construction-Non-Sampling
G	Pretreatment (Audit)	&	Sanitary Sewer Overflow-Non-Sampling	:	Storm Water-Non-Construction-Sampling
I	Industrial User (IU) Inspection	\	CAFO-Sampling	~	Storm Water-Non-Construction-Non-Sampling
J	Complaints	=	CAFO-Non-Sampling	<	Storm Water-MS4-Sampling
M	Multimedia	2	IU Sampling Inspection	-	Storm Water-MS4-Non-Sampling
N	Spill	3	IU Non-Sampling Inspection	>	Storm Water-MS4-Audit
O	Compliance Evaluation (Oversight)	4	IU Toxics Inspection		
P	Pretreatment Compliance Inspection	5	IU Sampling Inspection with Pretreatment		
R	Reconnaissance				
S	Compliance Sampling				
U	IU Inspection with Pretreatment Audit				

**Column 19: Inspector Code.** Use one of the codes listed below to describe the lead agency in the inspection.

A-	State (Contractor)	O-	Other Inspectors, Federal/EPA (Specify in Remarks columns)
B-	EPA (Contractor)	P-	Other Inspectors, State (Specify in Remarks columns)
E-	Corps of Engineers	R-	EPA Regional Inspector
J-	Joint EPA/State Inspectors—EPA Lead	S-	State Inspector
L-	Local Health Department (State)	T-	Joint State/EPA Inspectors—State lead
N-	NEIC Inspectors		

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- 4- Federal. Facilities identified as Federal by the EPA Regional Office.
- 5- Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

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## **INSPECTION PROTOCOL**

UPDES Permit #: UT0023680  
Inspection Type: Reconnaissance Inspection + Storm Water Inspection  
Inspection Date: August 12, 2008

Jeff Studenka of the Division of Water Quality (DWQ) visited with Ms. Vicky Miller and the Canyon Fuel Company Soldier Creek inactive coal mine facility. The purpose for the site visit was to perform an inspection while already in the area.

## **FACILITY DESCRIPTION**

Location: 13 miles up Nine Mile Canyon Road, off Hwy. US 6 near Wellington, Utah

Coordinates: Outfall 001 – 39° 42' 02" latitude, -110° 36' 39" longitude  
Outfall 002 – 39° 41' 52" latitude, -110° 36' 46" longitude  
Outfall 003 – 39° 42' 09" latitude, -110° 36' 38" longitude

Average Flow: No discharges since 1999, inactive mine facility.

Receiving water: Soldier Creek → Price River

Process: Inactive underground coal mining operation. The mine portals are sealed and there is no discharge of mine water (Outfalls 001 & 003). Surface water is conveyed to an above ground settling pond with a discharge point (Outfall 002) to Soldier Creek.

## **INSPECTION SUMMARY**

There were no deficiencies noted during the last inspection for follow up. This inspection was limited to outside the facility fencing where the water collection and distribution systems are exposed. The dry sediment pond, outfall locations and receiving waters were observed with no deficiencies. At the time of the inspection, the receiving stream of Soldier Creek was at very low flow. The Storm Water Pollution Prevention Plan is located at the main offices at the Dugout Mine site and was last updated in November 2006.

## **DEFICIENCIES**

No deficiencies with respect to the UPDES permit were noted during the inspection.

## **REQUIREMENTS**

None.

# Water Compliance Inspection Report

## Section A: National Data System Coding (i.e., ICIS)

[illegible]

## Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number)		Entry Time/ Date 9:30 am / 8-12-2008		Permit Effective Date 5-1-2008	
CANYON FUEL CO. BANNING COAL RAIL LOADOUT FACILITY SW intersection of US 6 and Utah Hwy.1 23 ~10 miles east of Wellington, UT		Exit Time/ Date 12:00 pm/ 8-12-2008		Permit Expiration Date 4-30-2013	
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Vicky Miller, Environmental Engineer, 435-636-2869		Other Facility Data (e.g., SIC NAICS, and other descriptive information) Former Coal Mining Services and Support Facility SIC Code 1241 NAICS 213113			
Name, Address of Responsible Official/Title/Phone and Fax Number Dave Spillman, Manager of Technical Services Canyon Fuel Company, LLC P.O. Box 1029 Wellington, UT 84542 (435) 636-2872		Non-discharging, inactive facility since 2000. In the process of reclamation.  SEE ATTACHED.			
Contacted <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					

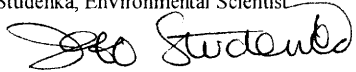

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Name(s) and Signature(s) of Inspector(s) Jeff Studenka, Environmental Scientist 	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6779	Date: 8-14-08
Name and Signature of Management Q A Reviewer Mike Herkimer, Manager UPDES IES Section 	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6058	Date: 8/14/08

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United States Environmental Protection Agency  
Washington, D.C. 20460

## Water Compliance Inspection Report

### Section A: National Data System Coding (i.e., ICIS)

Transaction Code N	NPDES U T G 0 4 0 0 1 1	yr/mo/day 0 8 0 8 1 2	Inspection Type ~	Inspector S	Fac. Type 2
1	2	3	11	12	17
Remarks					
21					
Inspection Work Days 1	Facility Self-Monitoring Evaluation Rating 5	BI N	QA N	Reserved	
67	69	70	71	72	73 74 75 80

### Section B: Facility Data

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Name(s) and Signature(s) of Inspector(s) Jeff Studenka, Environmental Scientist 	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6779	Date: 8-14-08
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\*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: K: CAFO, V: SSO, Y: CSO, W: Storm Water 9: MS4. States may also use the new wet weather, CAFO and MS4 inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MS4 inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.



## **INSPECTION PROTOCOL**

UPDES Permit #: UTG040011  
Inspection Type: Compliance Evaluation Inspection + Storm Water Inspection  
Inspection Date: August 12, 2008

Jeff Studenka of the Division of Water Quality (DWQ) visited with Vicky Miller and the Canyon Fuel Company's inactive Banning rail load out facility. The purpose for the site visit was explained and a compliance evaluation inspection was performed since the permit coverage was recently renewed. The U.S. EPA Region 8 NPDES Inspection Checklist was completed and a brief tour of the inactive facility was observed.

## **FACILITY DESCRIPTION**

Location: ~10 miles East of Wellington, Utah off Hwy. US 6 at the SW intersection of Utah Hwy. 123. Coordinates: 39° 31' 00" latitude, -110° 34' 00" longitude.

Average Flow: No discharges, inactive facility since 2000.

Receiving waters: Unnamed Tributary → Grassy Trail Creek → Price River

Process: Inactive former rail car coal load out facility. Most of the equipment and scrap steel have been removed while the lone sedimentation pond and outfall locations remain intact. The facility is in the process of being reclaimed.

## **INSPECTION SUMMARY**

There were no deficiencies noted during the last inspection for follow up. A file review back to 2004 yields no discharge data or sampling events to evaluate. DMRs are completed each month and submitted on time. If a discharge event were to occur, then sampling would be performed as per the UPDES permit requirements, with pH measured on site and samples collected and submitted to a certified laboratory for TSS, TDS, total iron, and oil & grease as appropriate. Flow measurements would be manually obtained and calculated as well. This inspection was limited to outside the facility gate. The dry sediment pond, outfall locations and dry receiving water streambed were observed with no deficiencies. The Storm Water Pollution Prevention Plan was also discussed and was last updated in November 2006.

## **DEFICIENCIES**

No deficiencies with respect to the UPDES permit were noted during the inspection.

## **REQUIREMENTS**

None.

## USEPA REGION 8 NPDES INSPECTION CHECKLIST

NPDES PERMIT #: UT604001INSPECTION DATE: 8-12-08FACILITY: Banning Loadout (CFC)  
- inactive coal facility -  
Vicky Miller -ON SITE: 0920 am } total  
OFF SITE: 12:00 pm } facility time

## I. PERMIT VERIFICATION

☒ YES NO Inspection observations verify information contained in permit.☒ Yes No N/A 1. Current copy of permit on site. (At DUGOUT offices)☒ Yes No N/A 2. Name, mailing address, contact, and phone number are correct in PCS. If not, indicate correct information on Form 3560.

3. Brief description of the wastewater treatment plant:

One sedimentation pond (0.27 acre ft) for surface  
water runoff → C01☒ Yes No N/A 4. Facility is as described in permit. If not, what is different? \_\_\_\_\_Yes No ☒ N/A 5. EPA/State has been notified of any new, different, or increased loading to the WWTP.☒ Yes No N/A 6. Number and location of discharge points are as described in the permit. (2)☒ Yes No N/A 7. Name of receiving water(s) is/are correct. unnamed tributary to Grassy Trail Creek

Comments:

## II. RECORDKEEPING AND REPORTING EVALUATION

☒ YES NO Records and reports are maintained as required by permit. (at DUGOUT Facility)☒ Yes No N/A 1. All required information is current, complete, and reasonably available.☒ Yes No N/A 2. Information is maintained for the required 3 year period.3. Sampling and analysis data are adequate and include: No Sampling events, No dischargeYes No ☒ N/A a. Dates, times, locations of sampling.Yes No ☒ N/A b. Initials of individual performing sampling.Yes No ☒ N/A c. Referenced analytical methods and techniques in conformance with 40 CFR Part 136.Yes No ☒ N/A d. Results of analyses and calibration.Yes No ☒ N/A e. Dates of analyses (and times if required by permit).Yes No ☒ N/A f. Initials of person performing analyses.Yes No ☒ N/A g. Instantaneous flow at grab sample stations.

Yes No N/A 4. Sampling and analysis completed on parameters specified in permit.

Yes No N/A 5. Sampling and analysis done in frequency specified by permit.

Comments:

Non-Discharging, inactive coal loadout facility. ~~the pond water~~ n/a  
~~Sampling event~~, no discharging events to evaluate. JS  
8-17-08

YES NO

DMR completion meets the self-monitoring reporting requirements.

Yes No N/A 1. Monitoring for required parameters is performed more frequently than required by permit. Parameter(s) No Sampling Events

Yes No N/A 2. Analytical results are consistent with the data reported on the DMRs.

Yes No N/A 3. All data collected are summarized on the DMR.

Yes No N/A 4. Monthly, weekly, and/or daily average loading values are calculated properly and reported on the DMR. (Effluent loadings are calculated using effluent flow.)

Yes No N/A 5. The geometric mean is calculated and recorded for fecal coliform data.

Yes No N/A 6. Weekly and monthly averaging is calculated properly and reported on the DMR.

Yes No N/A 7. The maximum and minimum values of all data points are reported properly.

Yes No N/A 8. The number of exceedances column (No. Ex.) is completed properly.

Comments: DMR file review since 2004, No discharges on file. DMRs submitted each month & on time.

## II. WHOLE EFFLUENT TOXICITY TESTING AND REPORTING N/A - NO WET testing requirements, no discharge

Yes No n/a WET sampling by permittee adequate to meet the conditions of the permit.

- es No  
es No  
es No
- Chain of custody used.
  - Method of shipment and preservation adequate (iced to 4°C).
  - Type of sample collected \_\_\_\_\_ (as required by permit).
  - Holding time met (received w/in 36 hours).

es No N/A 2. Lab reports/chain of custody sheets indicate temperature of sample at receipt by lab.  
a. Indicate temperature \_\_\_\_\_

es No N/A 3. Permittee has copy of the latest edition of testing methods or Region 8 protocol. (Latest version is July 1993 - Colorado has its own guidance.)

es No N/A 4. Permittee reviews WET lab reports for adherence to test protocols.

es No N/A 5. Lab has provided quality control data, i.e., reference toxicant control charts.

Yes No N/A  
Yes No N/A  
Yes No N/A

6. Permittee has asked lab for QC data.
7. Permittee maintains copies of WET lab reports on site for required 3 year period, and makes them available for review by inspectors.
8. Evaluation and review of WET data by permittee adequate such that no follow up at lab is necessary. (Follow up to be conducted by EPA and/or State.)

Comments:

No WET testing requirements

#### IV. FACILITY SITE REVIEW

YES NO

Treatment facility properly operated and maintained.

Yes No N/A

1. Standby power or other equivalent provision is provided. Specify type:

Inactive facility, under reclamation activities

Yes No N/A

2. Facility has an alarm system for power or equipment failures. What kind of problems has the facility experienced due to power failures? No equipment left

on site

Yes No N/A

3. Treatment control procedures are established for emergencies.

Yes No N/A

4. Facility can be by-passed (internal, collection system, total). Describe by-pass procedures:

Yes No N/A

5. Regulatory agency was notified of any bypassing (treated and/or untreated).

Dates: \_\_\_\_\_

Yes No N/A

6. WWTP has adequate capacity to ensure against hydraulic and/or organic overloads.

Yes No N/A

7. All treatment units, other than back-up units, are in service. If not, what and why?

one sed. pond

Yes No N/A

8. O&M manual available and up-to-date.

Yes No N/A

9. Procedures for plant O&M, including preventive maintenance schedules, are established and performed on time.

Yes No N/A

10. Adequate spare parts and supplies inventory (including flow meters) are maintained, as well as major equipment specifications and/or repair manuals.

Yes No N/A

11. Up-to-date maintenance and repair records are kept for major pieces of equipment.

12. Number of qualified operators and staff.

How many?

Certification Level

n/a

_____	_____
_____	_____
_____	_____

Yes No N/A

13. Certification level meets State requirement?

14. What procedures or practices are used to train new operators? n/a

## V. SAFETY EVALUATION

YES NO

Facility has the necessary safety equipment.

Yes No N/A

1. Procedures are established for identifying out-of-service equipment. What are they?

No equipment on site

Yes No N/A

2. Personal protective clothing provided (safety helmets, ear protectors, goggles, gloves, rubber boots with steel toes, eye washes in labs).

Yes No N/A

3. Laboratory safety devices (eyewash and shower, fume hood, proper labeling and storage, pipette suction bulbs) available.

Yes No N/A

4. Plant has general safety structures such as rails around or covers over tanks, pits, or wells. Plant is enclosed by a fence.

Yes No N/A

5. Portable hoists for equipment removal available.

Yes No N/A

6. All electrical circuitry enclosed and identified.

Yes No N/A

7. Chlorine safety is adequate and includes:

- a. NIOSH-approved 30-minute air pack.
- b. All standing chlorine cylinders chained in place.
- c. All personnel trained in the use of chlorine.
- d. Chlorine repair kit.
- e. Chlorine leak detector tied into plant alarm system.
- f. Ventilation fan with an outside switch.
- g. Posted safety precautions.

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

8. Warning signs (no smoking, high voltage, nonpotable water, chlorine hazard, watch-your-step, and exit) posted.

Yes No N/A

9. Gas/explosion controls such as pressure-vacuum relief valves, no smoking signs, explosimeters, and drip traps present near anaerobic digesters, enclosed screening or degritting chambers, and sludge-piping or gas-piping structures.

Yes No N/A

10. Emergency phone numbers listed.

☒ Yes ☐ No ☐ N/A 11. Plant is generally clean, free from open trash areas.

☒ Yes ☐ No ☐ N/A 12. MSDS sheets, if required, are accessible by employees. *At DUGOUT Facility*

Comments:

*Site under approved expansion project for coal storage facility.*

*N/A*

*JS*

*8-13-08*

## VI. FLOW MEASUREMENT

☒ YES ☐ NO FLOW MEASUREMENT MEETS THE REQUIREMENTS AND INTENT OF PERMIT

### A. PRIMARY EFFLUENT FLOW MEASUREMENT

#### 1. General

Type of primary flow measurement device: *Manual estimates via bucket + stopwatch and or calculator*

☒ Yes ☐ No ☐ N/A 1. Primary flow measuring device is properly installed and maintained.

Where? *Outfall locations as needed*

Yes ☐ No ☒ N/A 2. Flow measured at each outfall. Number of outfalls: *2*

3. Frequency of routine inspection of primary flow device by operator: *no discharge flow data on file*

*1 day. as needed*

4. Frequency of routine cleaning of primary flow device by operator: *1 week. as needed*

Yes ☐ No ☒ N/A 5. Influent flow is measured before all return lines.

Yes ☐ No ☒ N/A 6. Effluent flow is measured after all return lines. *no discharge*

☒ Yes ☐ No ☐ N/A 7. Proper flow tables are used by facility personnel.

8. Design flow: *0.27 mgd. acre/feet sed. pond (001)*

☒ Yes ☐ No ☐ N/A 9. Flow measurement equipment adequate to handle expected ranges of flow rate. *ND*

#### 2. Open Channel Primary Flow Measuring Devices

##### Flumes

Type and size: *n/a* EFF

Yes ☐ No ☒ N/A 1. Flume is located in a straight section of the open channel, without bends immediately upstream or downstream.

Yes ☐ No ☒ N/A 2. Flow entering flume appears reasonably well distributed across the channel and free of turbulence, boils, or other distortions.

Yes ☐ No ☒ N/A 3. Flume is clean and free of obstructions, debris or deposits.

Yes ☐ No ☒ N/A 4. All dimensions of flume accurate and level.

- Yes No N/A 5. Sides of flume throat are vertical and parallel.
- Yes No N/A 6. Side walls of flume are vertical and smooth.
- Yes No N/A 7. Flume head is being measured at proper location. (*Location dependent on flume type - see NPDES Compliance Inspection Manual or ISCO book.*)
- Yes No N/A 8. Flume is under free flow conditions at all times. (*Flume is not submerged.*)

#### Weirs

Type: n/a EFF

- Yes No N/A 1. Weir is level.
- Yes No N/A 2. Weir plate is plumb and its top edges are sharp and clean.
- Yes No N/A 3. Downstream edge of weir is chamfered at 45°.
- Yes No N/A 4. There is free access for air below the nappe of the weir.
- Yes No N/A 5. Upstream channel of weir is straight for at least four times the depth of water level, and free from disturbing influences.
- Yes No N/A 6. Distance from sides of weir to side of channel at least 2H.
- Yes No N/A 7. Area of approach channel at least 8 x nappe area for upstream distance of 15H. (*If not, is velocity of approach too high?*)
- Yes No N/A 8. Weir is under free-flow conditions at all times. (*Weir is not submerged.*)
- Yes No N/A 9. The stilling basin of the weir is of sufficient size and clear of debris.
- Yes No N/A 10. Head measurements are properly made by facility personnel.
- Yes No N/A 11. Weir is free from leakage.

### 3. Closed Channel Primary Measuring Devices

#### Electromagnetic Meters

Type and model: n/a EFF

- Yes No N/A 1. There is a straight length of pipe or channel before and after the flowmeter of at least 5 to 20 diameters.
- Yes No N/A 2. There are no sources of electric noise in the near vicinity.
- Yes No N/A 3. Magnetic flowmeter is properly grounded.
- Yes No N/A 4. Full pipe requirement is met.

#### Venturi Meters

Type and model: n/a EFF

Yes No N/A 1. Venturi meter is installed downstream from a straight and uniform section of pipe?

B. Secondary Flow Measurement

*no secondary. Manual primary only if needed.*

1. General

1. What are the most common problems that the operator has had with the secondary flow measurement device? N/A

Yes No N/A

2. Flow records properly kept.

Yes No N/A

a. All charts maintained in a file.

Yes No N/A

b. All calibration data kept.

Yes No N/A

3. Secondary device calibration records are kept.

a. Frequency of secondary device calibration: \_\_\_\_\_ / year.

4. Frequency of flow totalizer calibration: \_\_\_\_\_ / year.

Yes No N/A

5. Secondary instruments (totalizers, recorders, etc.) are properly operated, calibrated, and maintained.

Floats

Type and model: N/A EFF

Bubblers

Type and model: N/A EFF

Ultrasonic

Type and model: N/A EFF

Electrical

Type and model: N/A EFF

Comments:



## 2. Flow Verification

Accuracy of Flow Measurement (Secondary against Primary) <i>n/a</i>	
	Type and size of primary device
	EFF:
Reading from primary standard, feet and inches	<i>JS</i>
Equivalent to actual flow, mgd	
Facility-recorded flow from secondary device, mgd	
Percent Error	
Correction Factor	

Fill in above only if the primary device has been correctly installed, or if correction factor is known.

Comments:

*Primary manual calculations only*

## VII. LABORATORY QUALITY ASSURANCE

☒ YES ☐ NO Laboratory procedures meet the requirements and intent of the permit.

Yes No ☒ N/A

1. Commercial laboratory is used.

*No discharges to date*

Parameters	<i>JS</i>
Name	
Address	
Contact	
Phone	

Yes No ☒ N/A

2. According to the permittee, commercial laboratory is State certified (ND & UT only).

Yes No ☒ N/A

3. Written laboratory quality assurance manual is available, if the facility does its own lab work. *PH is necessary*

Yes No ☒ N/A

4. Quality control procedures are used. Specify: \_\_\_\_\_

Yes No ☒ N/A

5. Calibration and maintenance of laboratory instruments and equipment is satisfactory.

Yes No ☒ N/A

6. Samples are analyzed in accordance with 40 CFR 136.

Yes No ☒ N/A

7. Results of last DMR/QA test available. Date: \_\_\_\_\_

Yes No ☒ N/A

8. Facility lab does analyses for other permittees. If yes, list the facilities and their permit numbers.

# VIII. COMPLIANCE SCHEDULE STATUS REVIEW

N/A

YES NO

The permittee is meeting the compliance schedule

1. Is the facility subject to a compliance schedule either in its permit or in an order? If facility is subject to an order, note docket number: \_\_\_\_\_

N/A

2. What milestones remain in the schedule? \_\_\_\_\_

(Attach additional sheets as necessary.)

Yes No N/A

3. Facility is in compliance with unachieved milestones.

Yes No N/A

4. Facility has missed milestone dates, but will still meet the final compliance date.

## IX. PERMITTEE SAMPLING EVALUATION

YES NO

Sampling meets the requirements and intent of the permit.

Yes No N/A

1. Samples are taken at sampling location specified by permit.

Yes No N/A

2. Locations are adequate for representative samples.

Yes No N/A

3. Flow proportioned samples are obtained.

Yes No N/A

4. Permittee is using method of sample collection required by permit.

Required method: grab

If not, method being used is:

( ) Grab

( ) Manual

( ) Automatic composite

Yes No N/A

5. Sample collection procedures adequate and include:

Yes No N/A

a. Sample refrigeration during compositing.

Yes No N/A

b. Proper preservation techniques.

Yes No N/A

c. Containers in conformance with 40 CFR 136.3.

Yes No N/A

Specify any problems: \_\_\_\_\_

Comments:

No Sampling data to evaluate. No Discharges.  
Facility inactive, under reclamation activities.